

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Previously Presented) An isolated nucleic acid comprising a nucleotide sequence encoding a protein comprising the amino acid sequence of SEQ ID NO: 2, 4, or 17.

2-10. (Cancelled)

11. (Withdrawn) A method for producing a polypeptide, the method comprising the steps of culturing the cell of claim 38 and recovering a polypeptide expressed from the cell or the culture supernatant thereof.

12. (Withdrawn) A method for producing a polypeptide, the method comprising the steps of culturing the cell of claim 39 and recovering a polypeptide expressed from the cell or the culture supernatant thereof.

13-27. (Cancelled)

28. (Withdrawn) A method for producing a polypeptide, the method comprising the steps of culturing the cell of claim 40 and recovering a polypeptide expressed from the cell or the culture supernatant thereof.

29. (Withdrawn) A method for producing a polypeptide, the method comprising the steps of culturing the cell of claim 41 and recovering a polypeptide expressed from the cell or the culture supernatant thereof.

30. (Withdrawn) A method for producing a polypeptide, the method comprising the steps of culturing the cell of claim 44 and recovering a polypeptide expressed from the cell or the culture supernatant thereof.

31. (Withdrawn) A method for producing a polypeptide, the method comprising the steps of culturing the cell of claim 45 and recovering a polypeptide expressed from the cell or the culture supernatant thereof.

32. (Previously presented) An isolated nucleic acid comprising a nucleotide sequence encoding a protein comprising the amino acid sequence from the 33rd Ala to 652nd Asp in the amino acid sequence of SEQ ID NO:2, from 33rd Ala to 252nd Val in the amino acid sequence of SEQ ID NO:4, or from 33rd Ala to 662nd Ile in the amino acid sequence of SEQ ID NO:17.

33-35. (Cancelled)

36. (Previously presented) A vector into which the nucleic acid of claim 1 is inserted.

37. (Previously presented) A vector into which the nucleic acid of claim 32 is inserted.

38. (Previously presented) An isolated cell harboring the nucleic acid of claim 1.

39. (Previously presented) An isolated cell harboring the nucleic acid of claim 32.

40. (Previously presented) An isolated cell harboring the vector of claim 36.

41. (Previously presented) An isolated cell harboring the vector of claim 37.

42. (Previously presented) An isolated nucleic acid comprising the coding region of the nucleotide sequence of SEQ ID NO:1, 3, or 16.

43. (Previously presented) A vector into which the nucleic acid of claim 42 is inserted.

44. (Previously presented) An isolated cell harboring the nucleic acid of claim 42.

45. (Previously presented) An isolated cell harboring the vector of claim 43.

46. (Cancelled)

47. (Currently amended) An isolated nucleic acid consisting of a nucleotide sequence encoding a fragment of SEQ ID NO:2, 4, or 17~~The nucleic acid of claim 46~~, wherein the fragment is more than 9 amino acid residues in length.

48. (Previously presented) The nucleic acid of claim 1, wherein the protein consists of the amino acid sequence of SEQ ID NO:2, 4 or 17.